

Caribbean *Acropora* Workshop

POTENTIAL APPLICATION OF THE
U.S. ENDANGERED SPECIES ACT
AS A CONSERVATION STRATEGY



April 16-18, 2002

University of Miami
Miami, Florida



NCORE
National Center for Caribbean
Coral Reef Research

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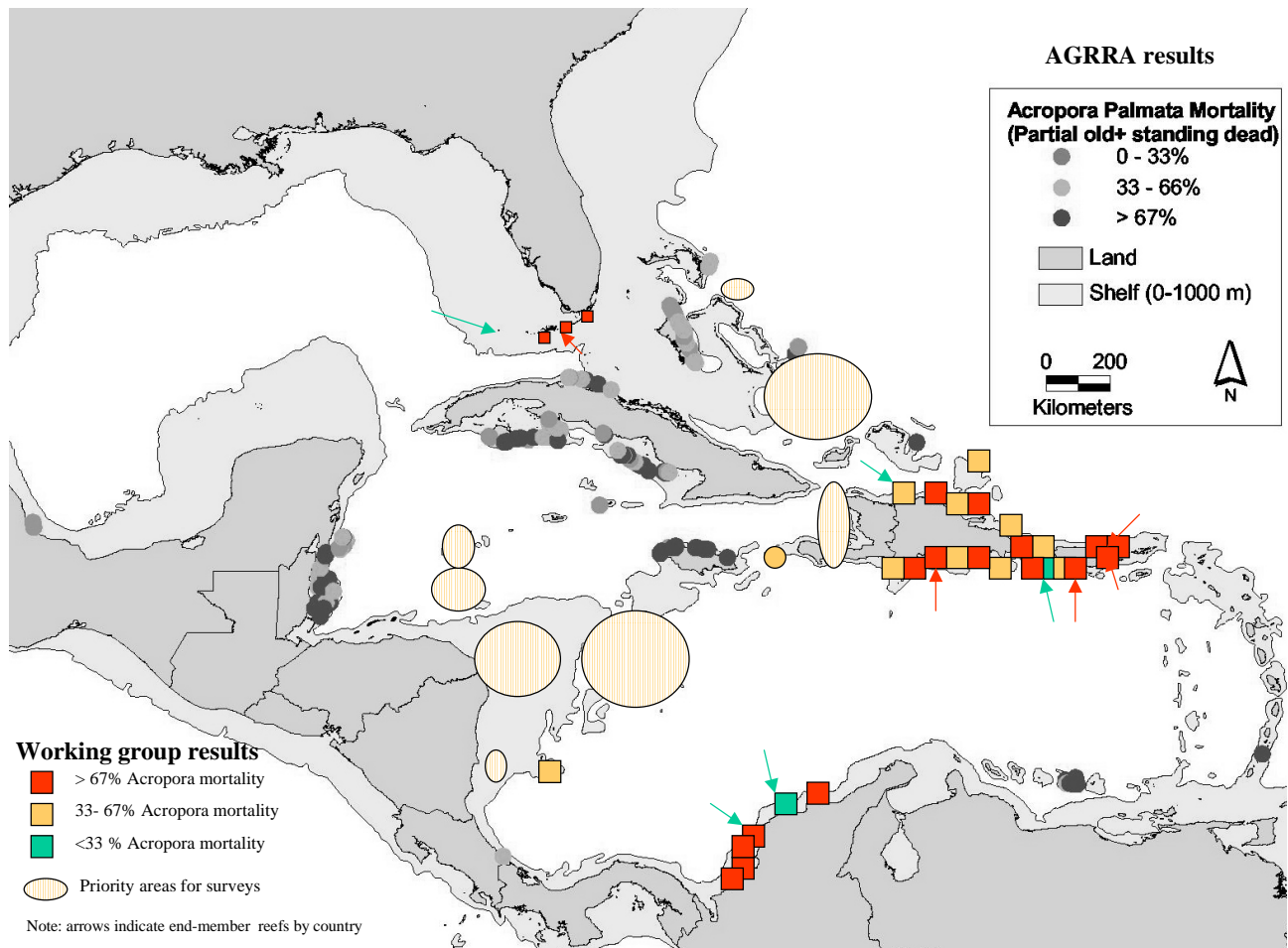
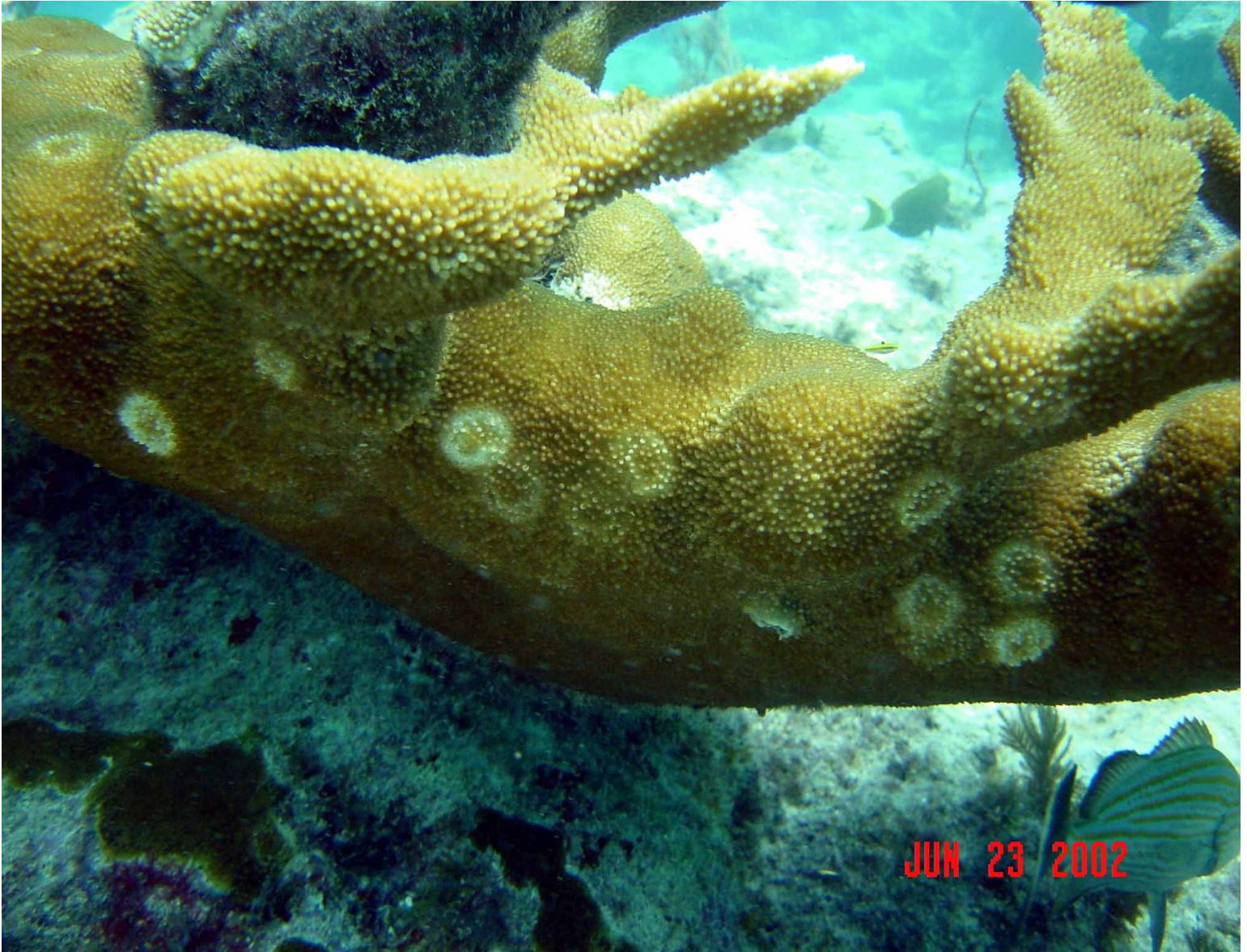


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Florida



Acropora palmata colony with unusual lesions, possibly caused by fish bites (yellowtail damselfish).
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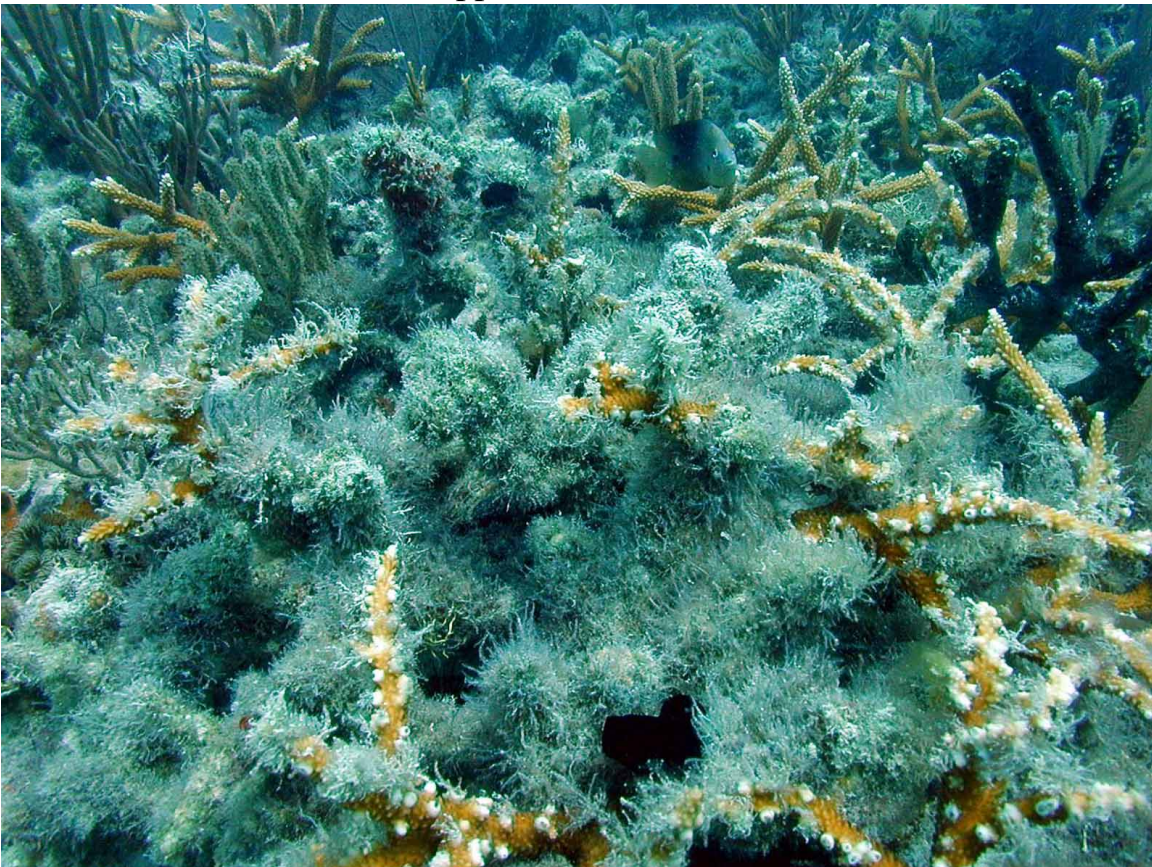


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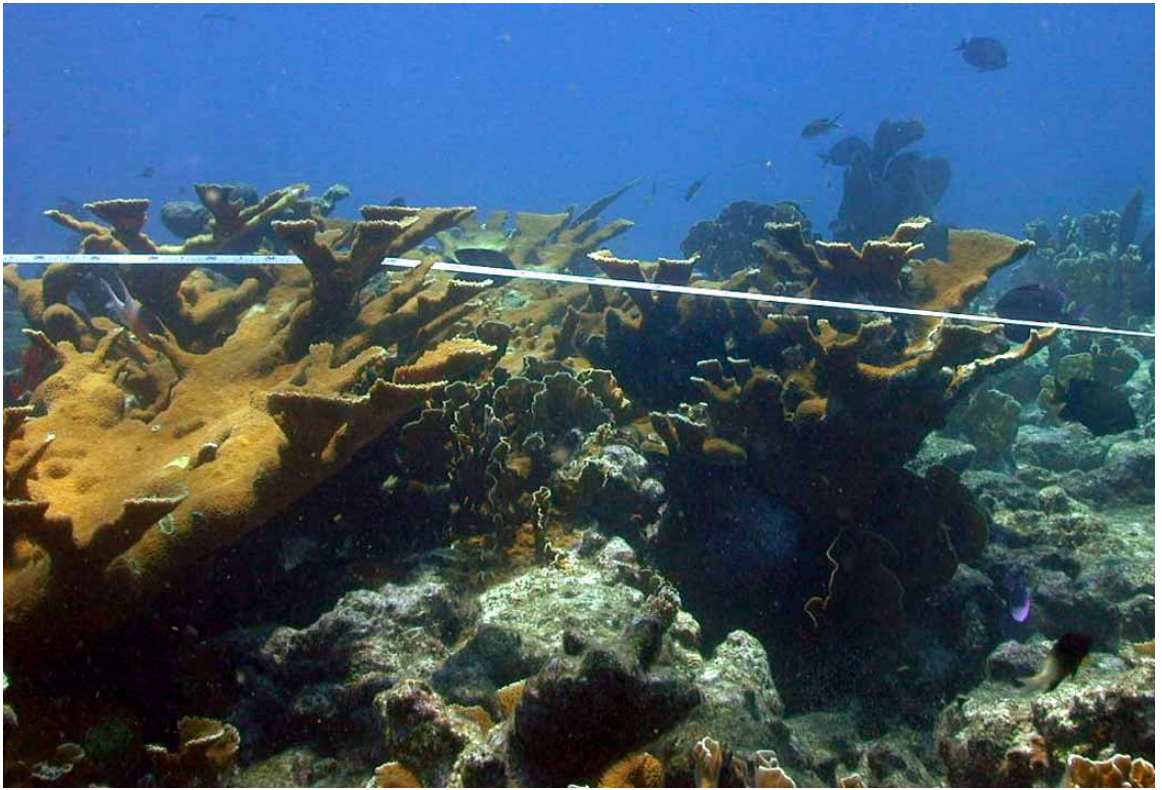


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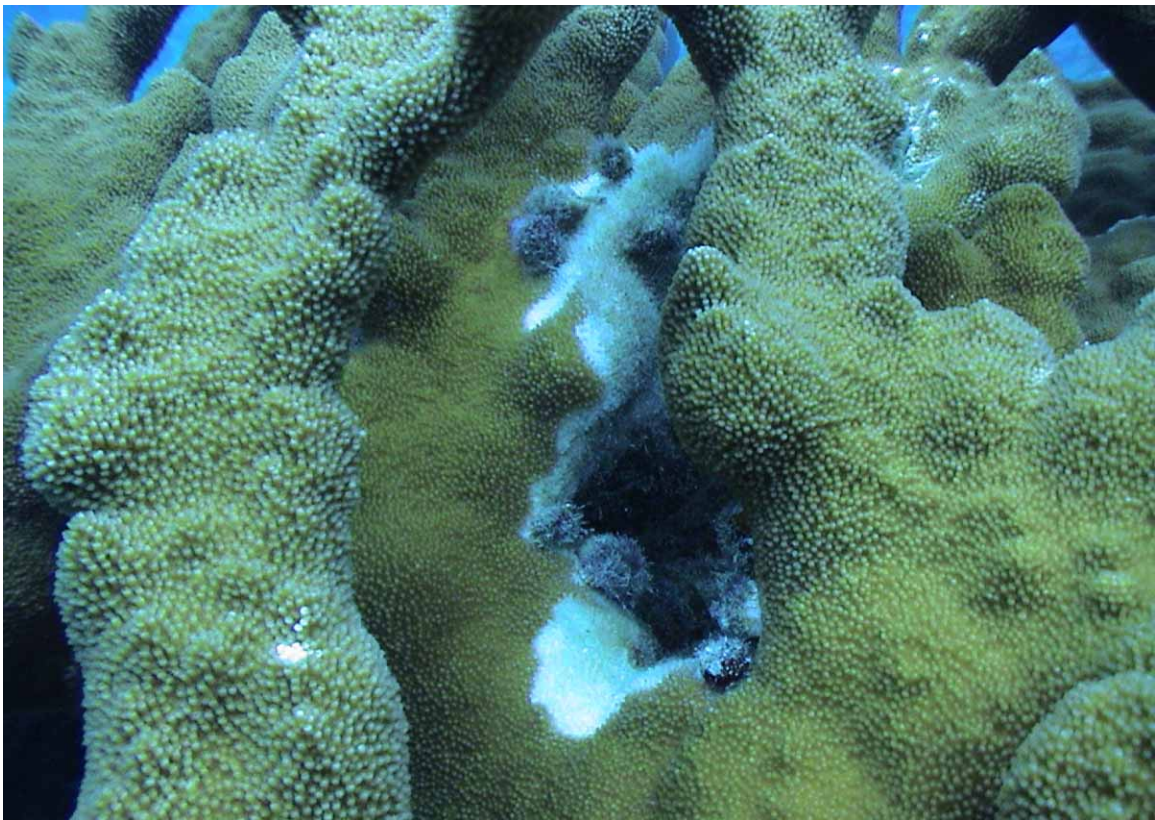


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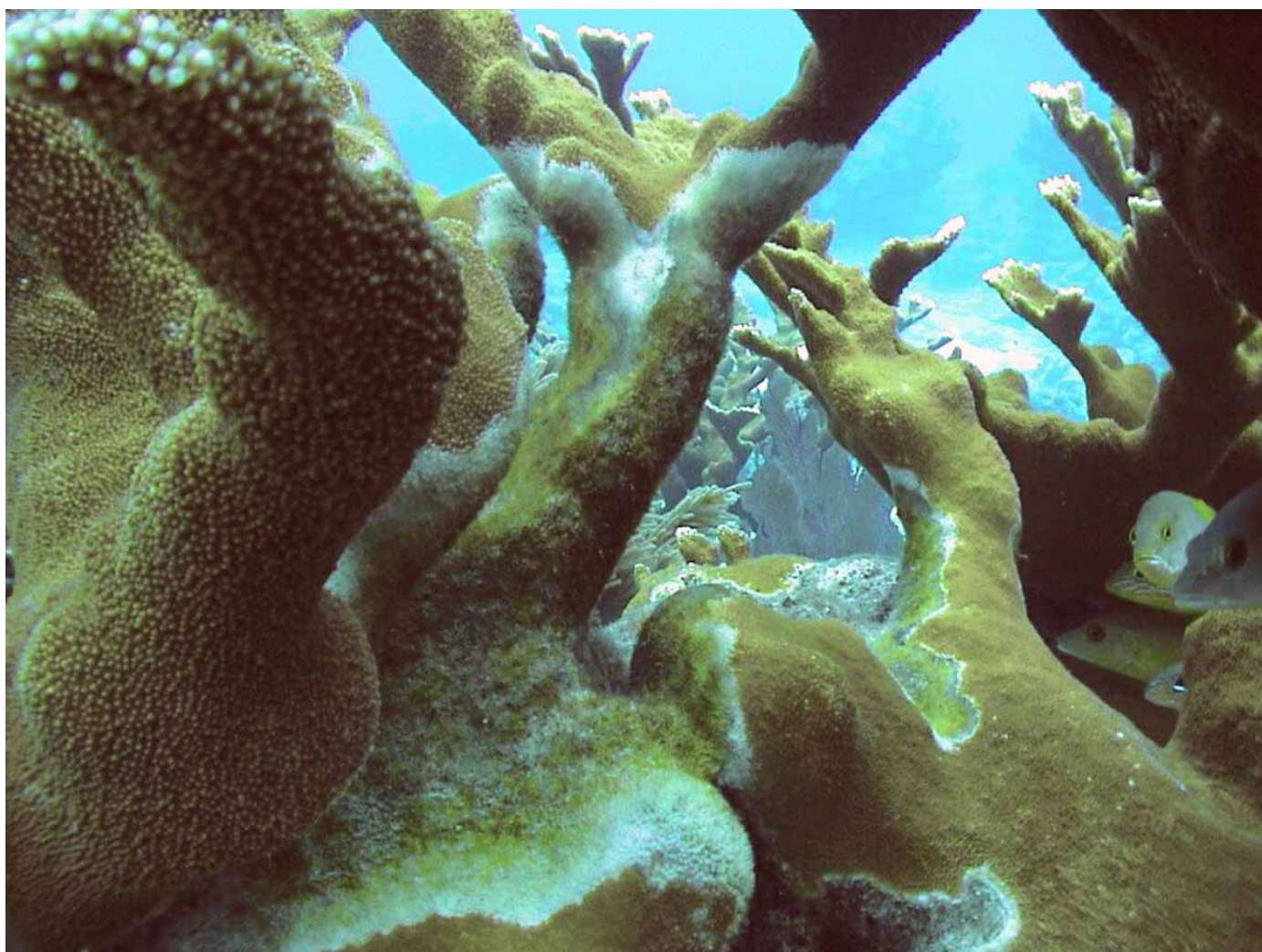


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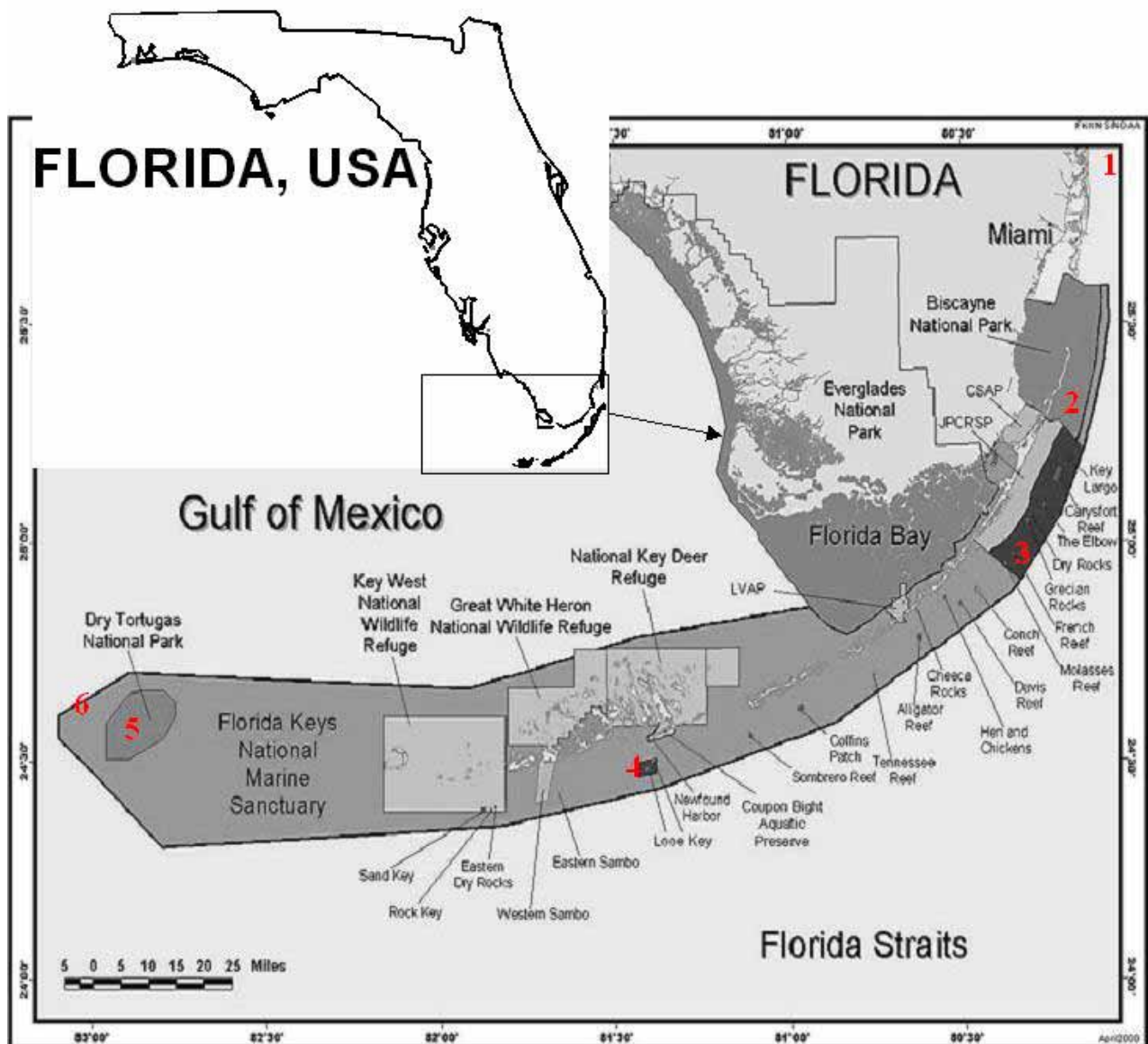


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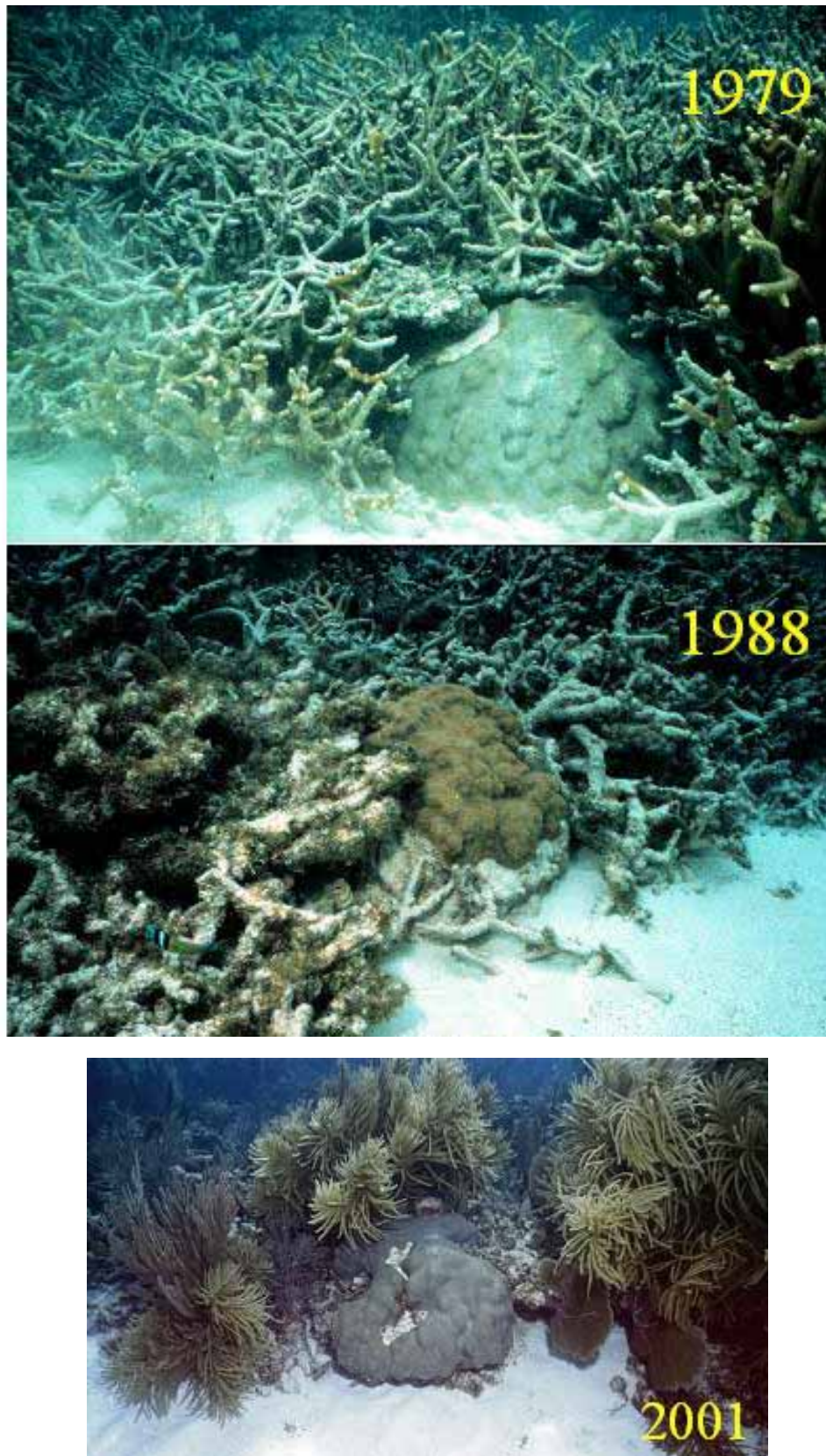


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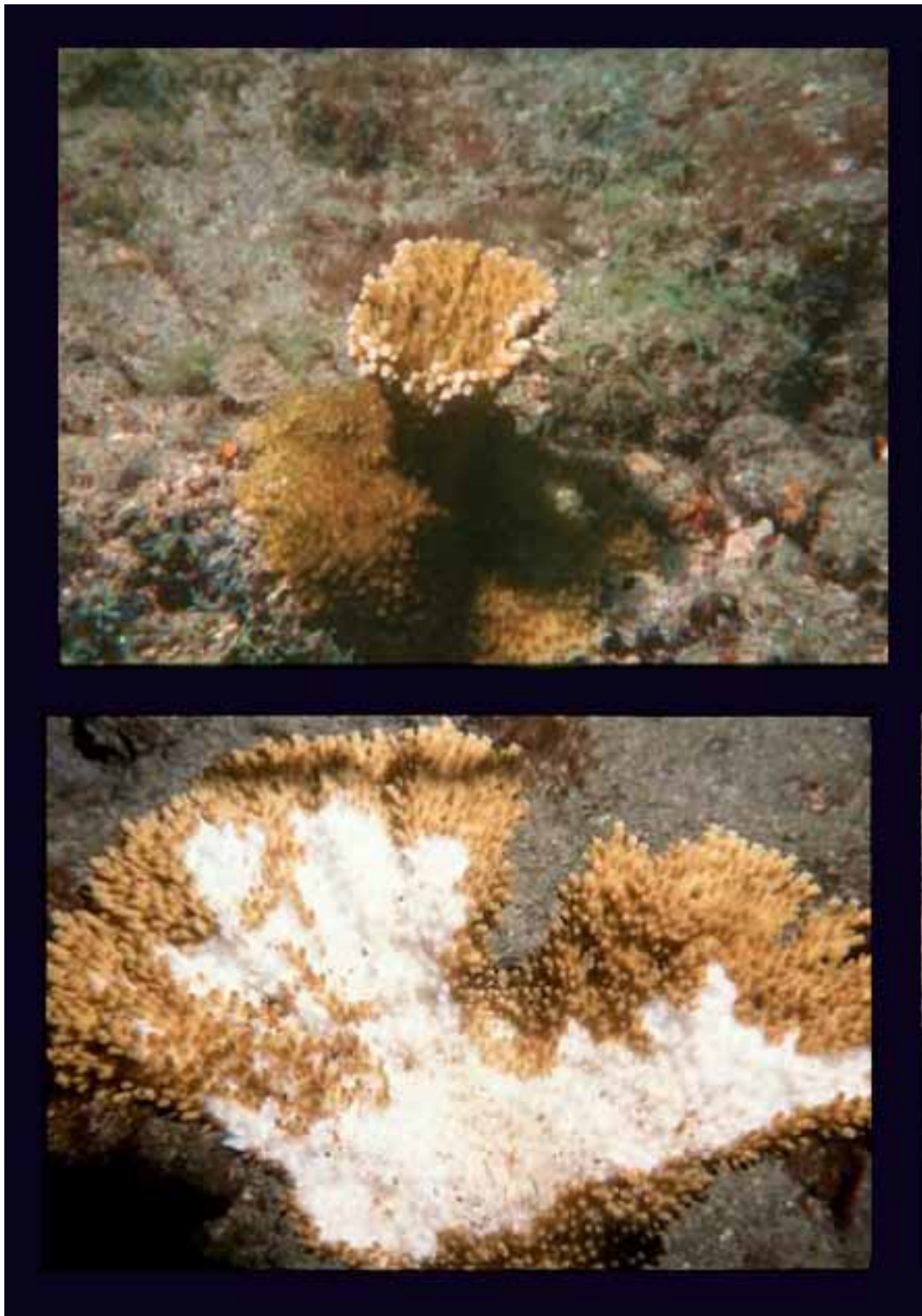


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Puerto Rico



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Source: Andrew Bruckner

San Cristobal Reef - La Parguera - April, 2002

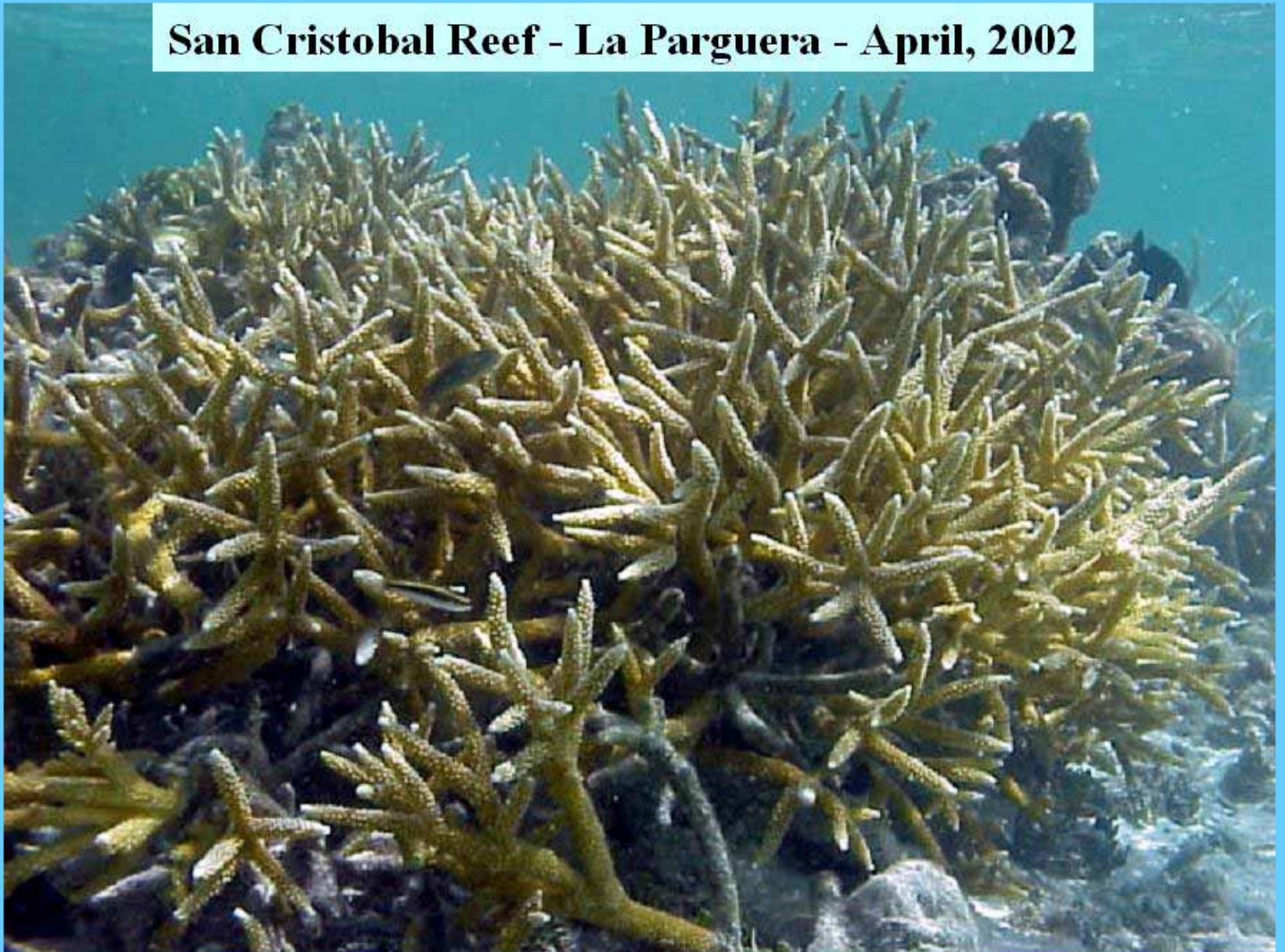


Fig. 15. *A. cervicornis* population at San Cristobal, La Parguera Puerto Rico.
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Fig. 16. *A. cervicornis* population at San Cristobal, La Parguera Puerto Rico, April 2002. Source: Ernesto Weil



Atravesado Reef, La Parguera - April, 2002



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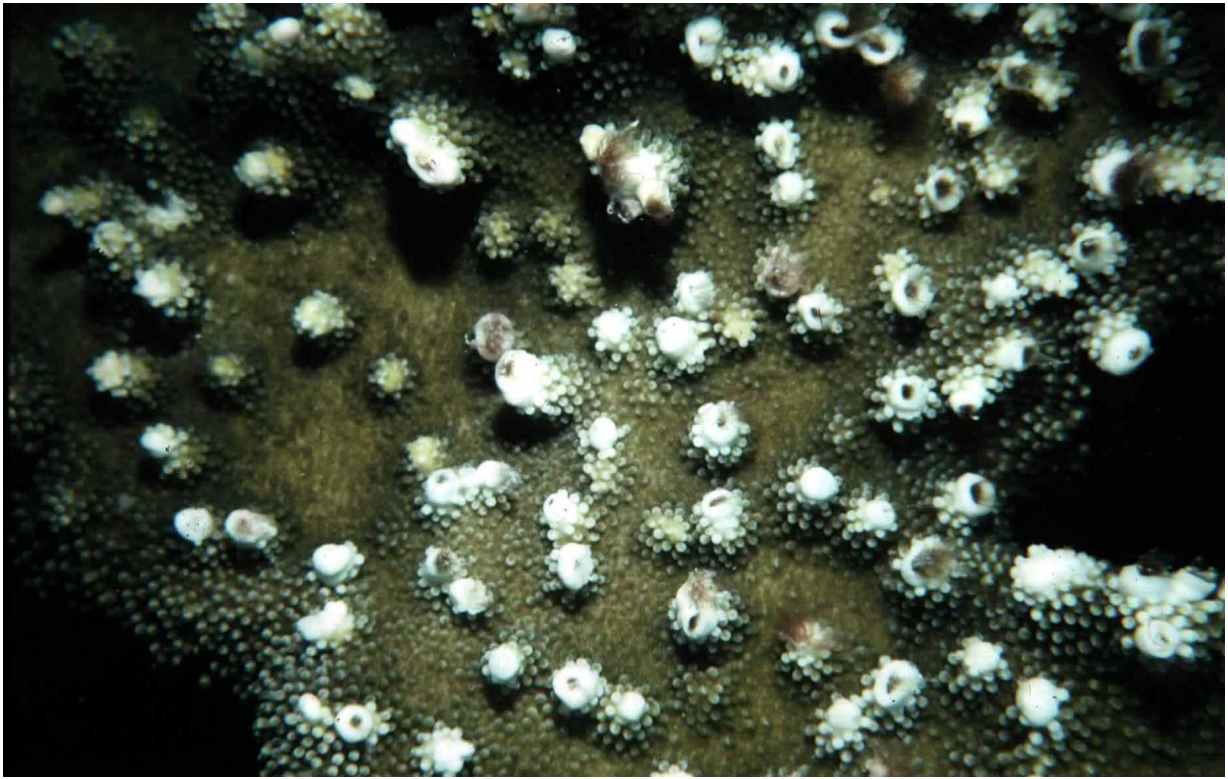


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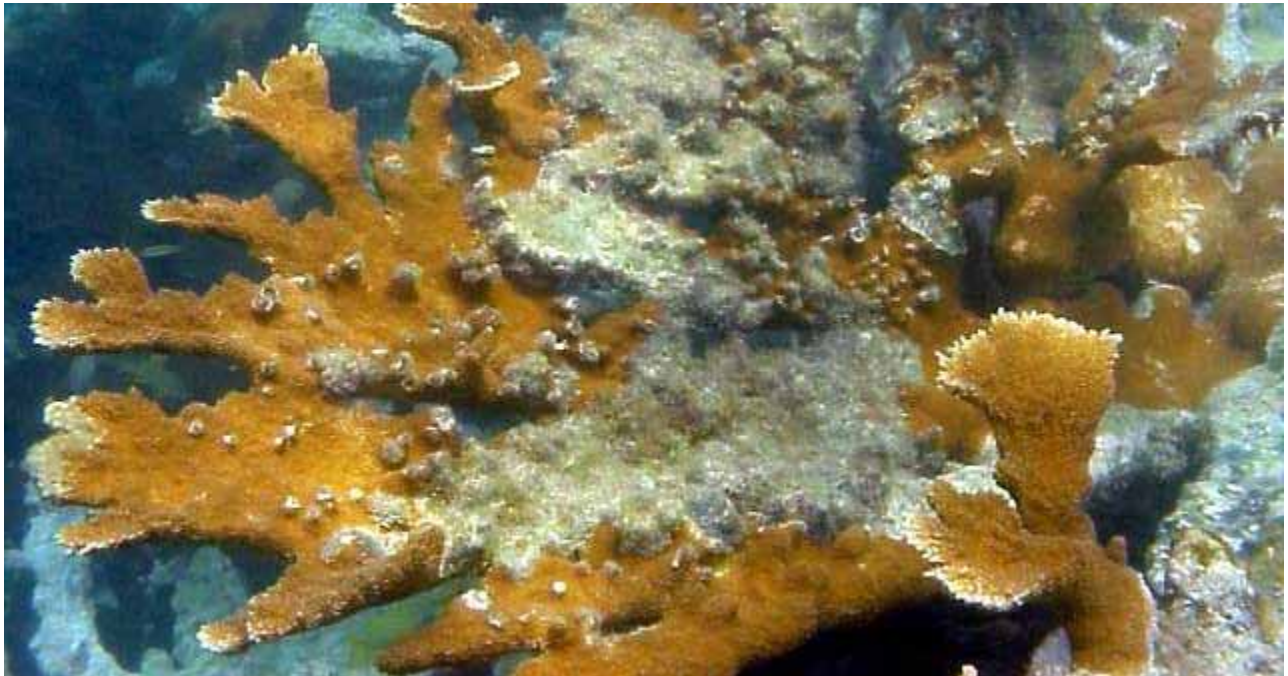


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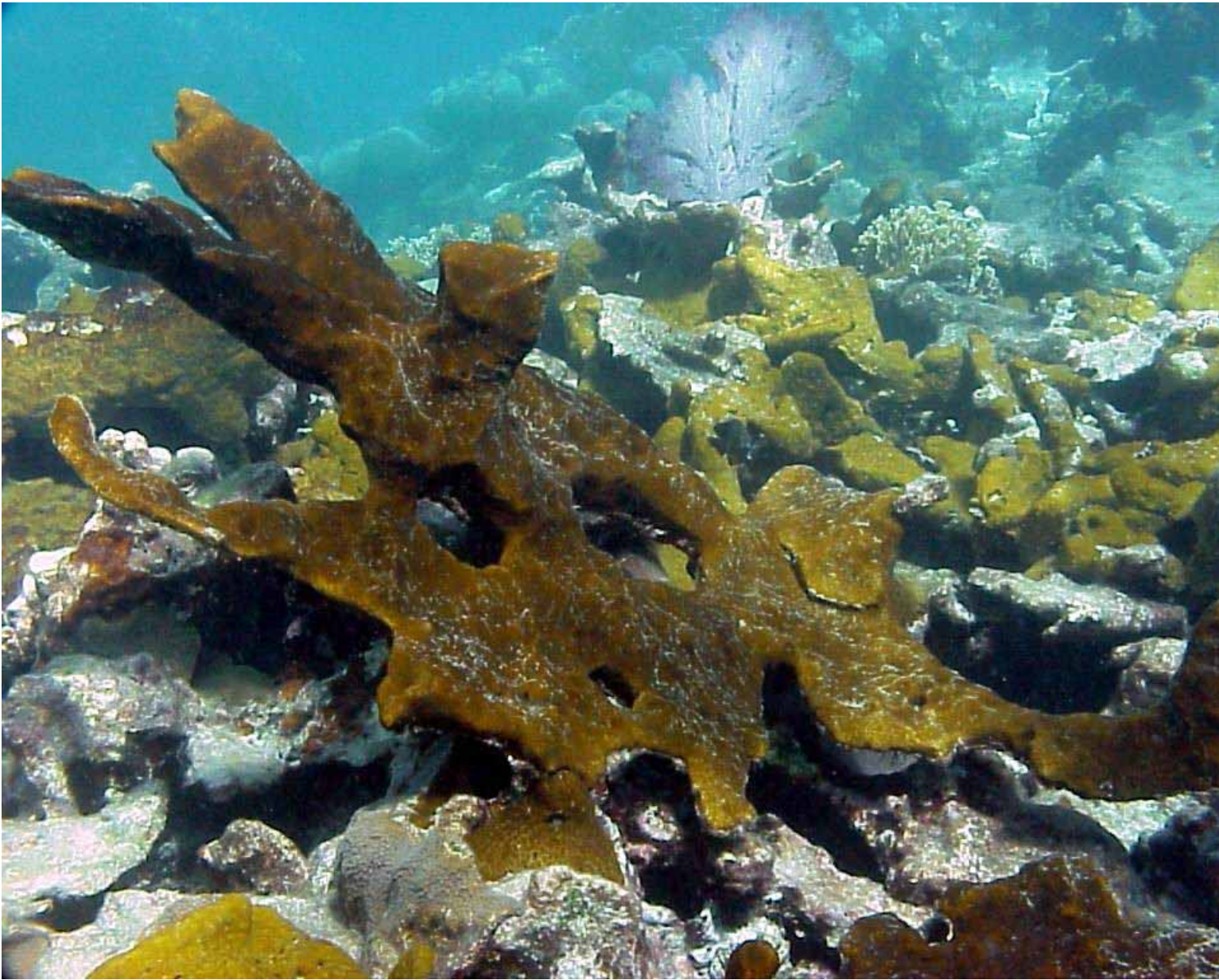


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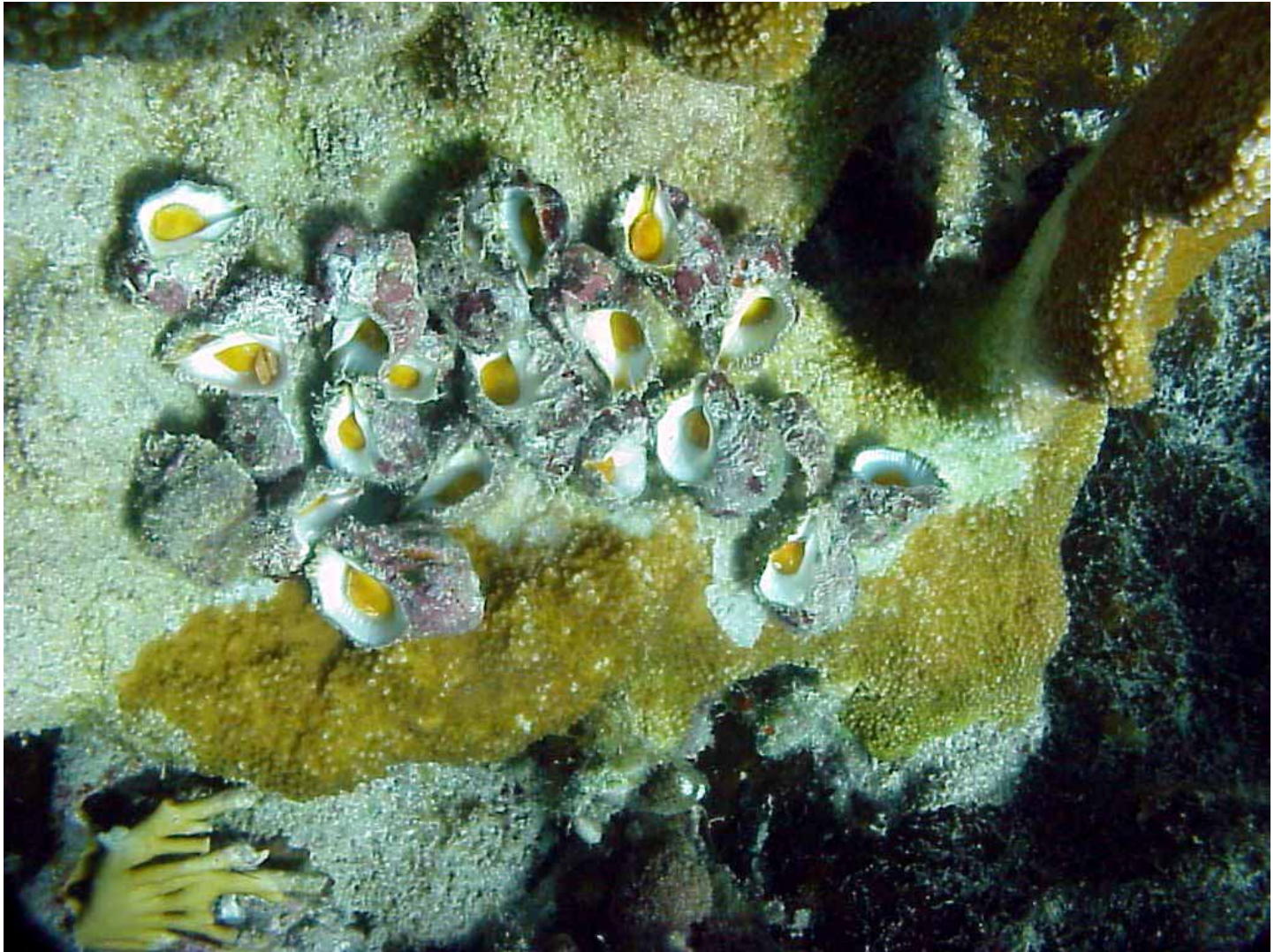


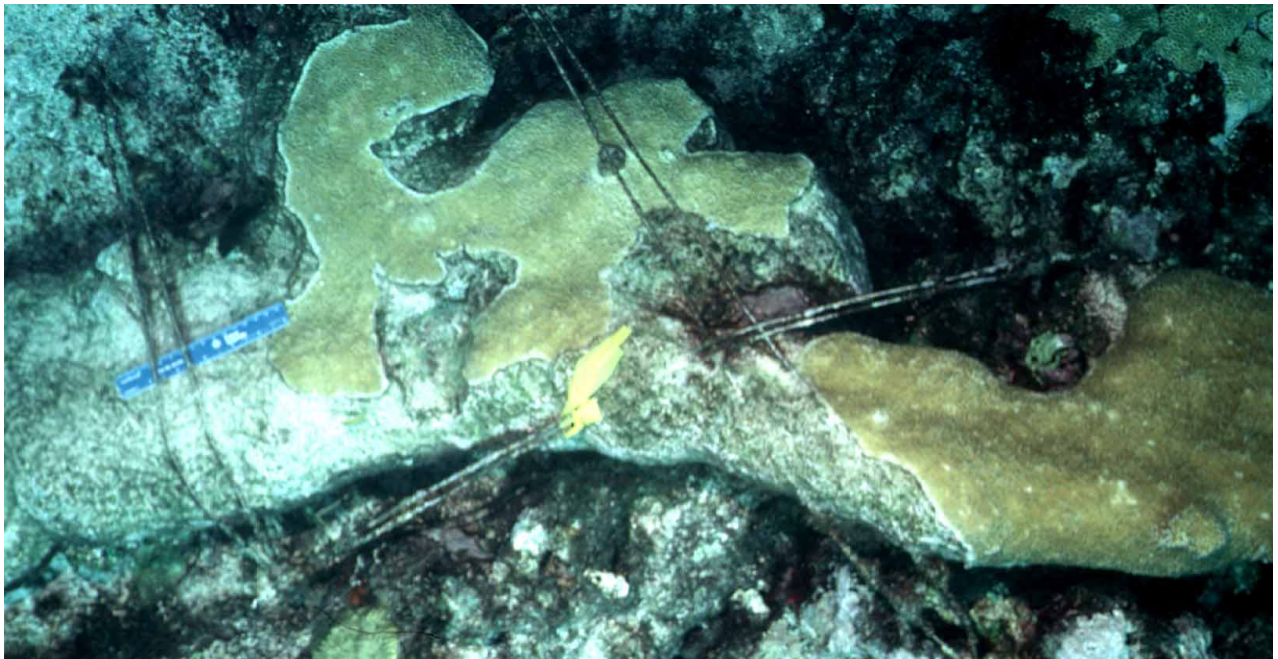
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Fig. 28. Examples of restored *Acropora palmata* fragments at the *Fortuna Reefer* coral restoration site photographed in August 1999, approximately two years after the restoration. **A.** Fragment reattached to an erect *A. palmata* colony using cable ties. This fragment exhibited fusion, growth over the cable ties, and well-developed proto-branches. Fragment is 82 cm in length. **B.** Fragment attached to the substrate, illustrating the wiring technique used to stabilize it. Partial mortality occurred where tissue was in contact with the wire. Fragment is 104 cm in length.



U.S. Virgin Islands



Figure 1. Elkhorn coral at Buck Island Reef National Monument, 1966.

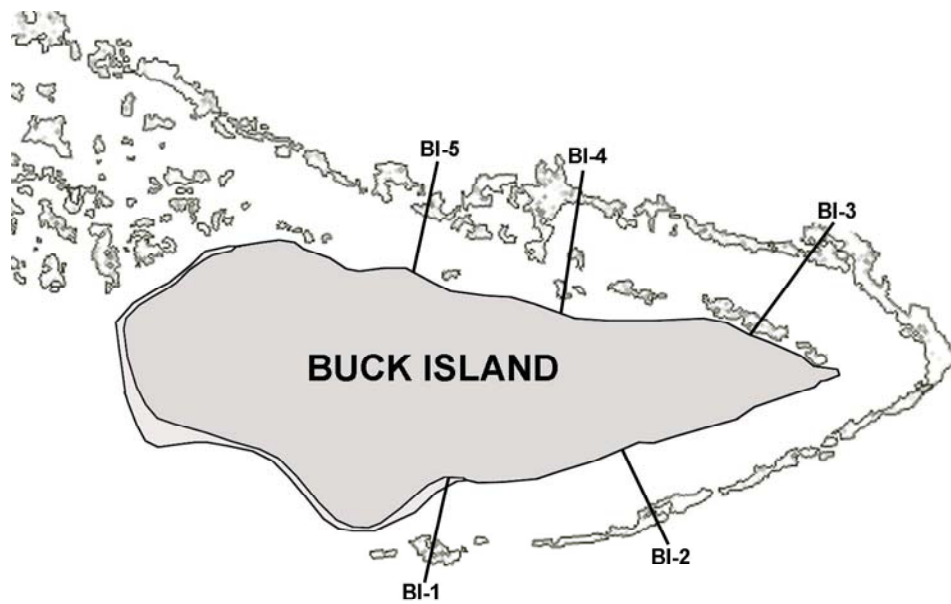


Figure 2. Cross-reef transects established at Buck Island in 1976.



Figure 3. Mostly dead thicket of *Acropora prolifera*, north backreef lagoon Buck Island, 1997



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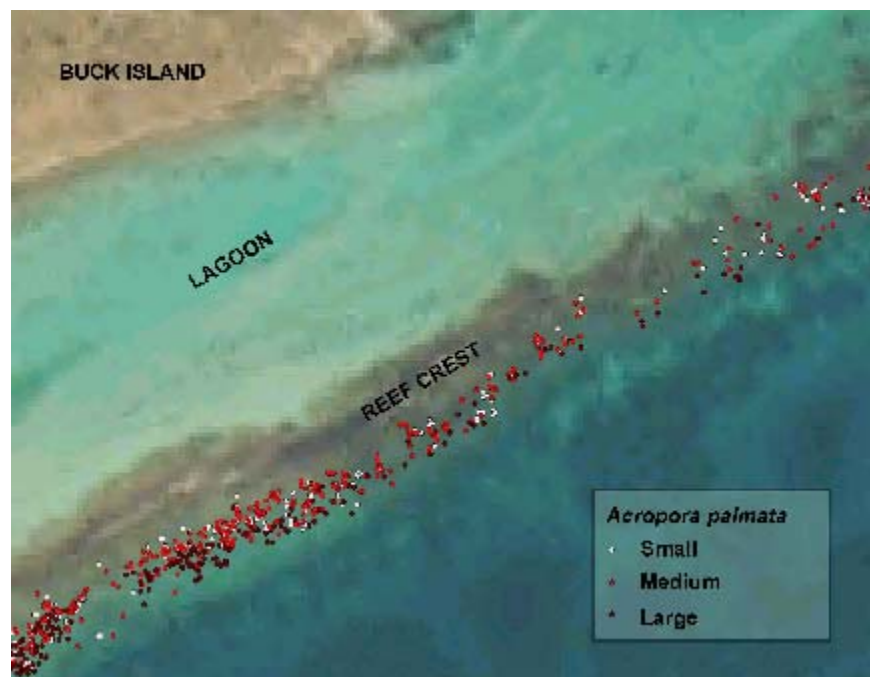


Figure 8. Distribution by size class of *A. palmata* colonies along the south forereef at BIRNM, September 2002.



Figure 9. *Acropora palmata* colonies on the eastern forereef of Buck Island in 1977.



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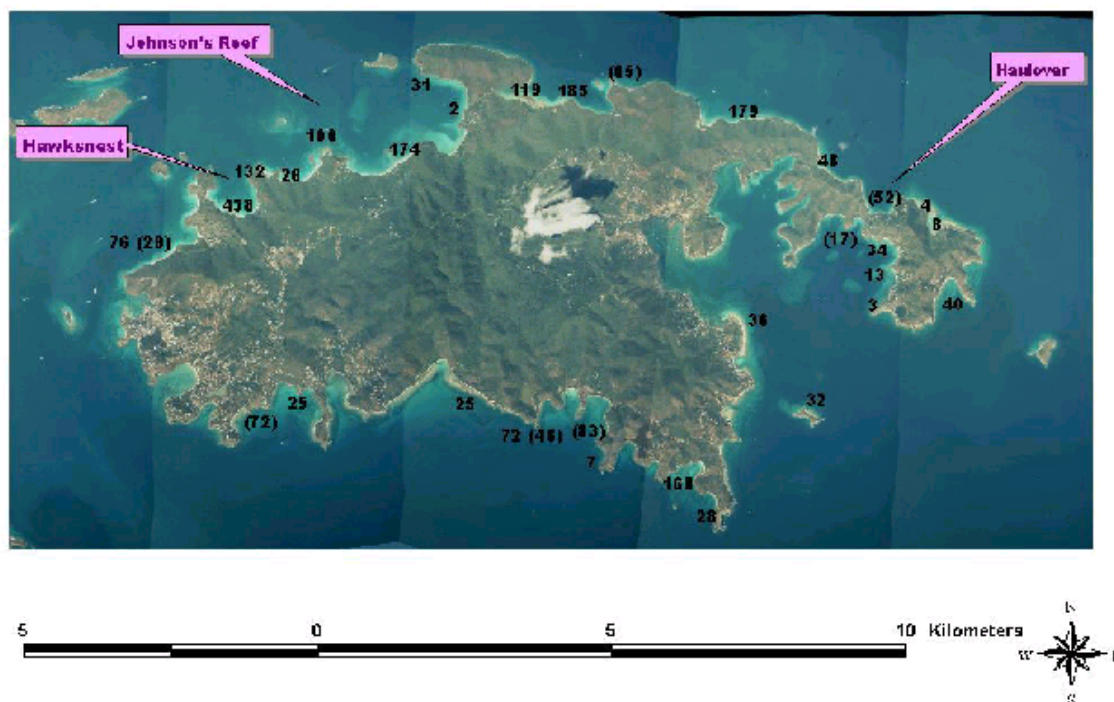


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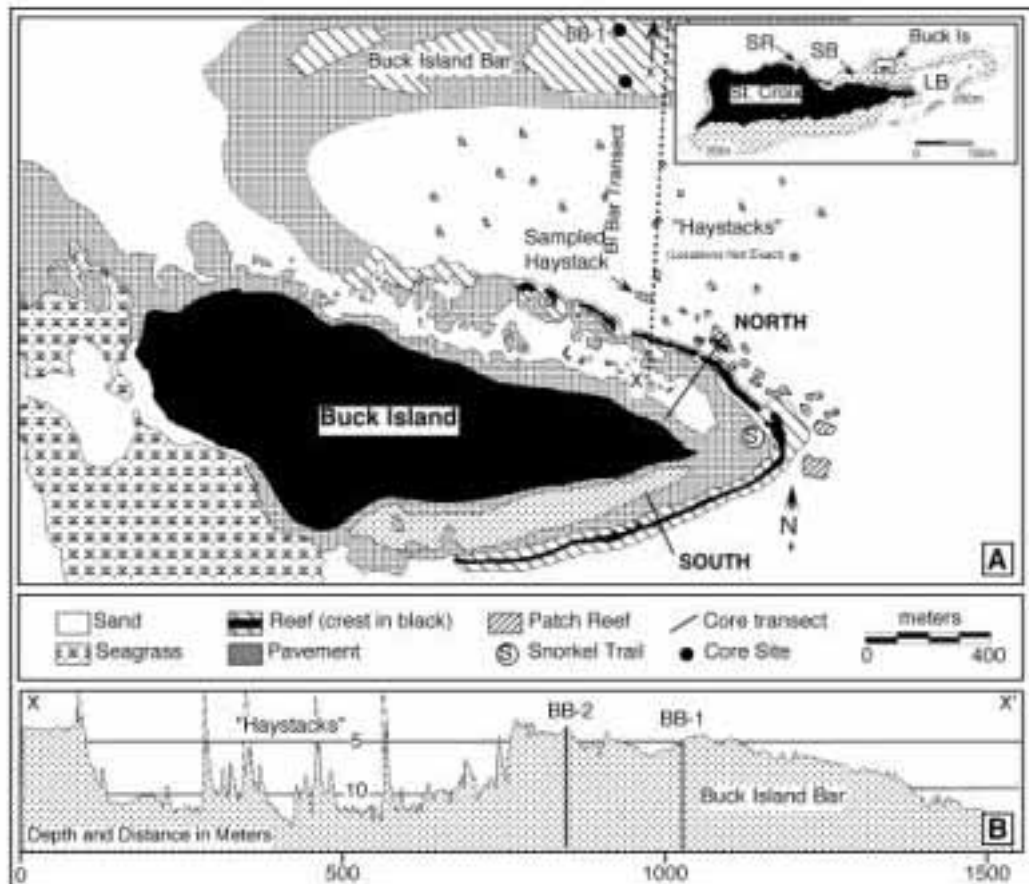


Figure 14. Map showing the location of coring transects across the northern and southern portions of Buck Island reef. The location of Buck Island relative to St. Croix is shown in the inset. A profile across Buck Island Bar showing core locations is provided below the map.

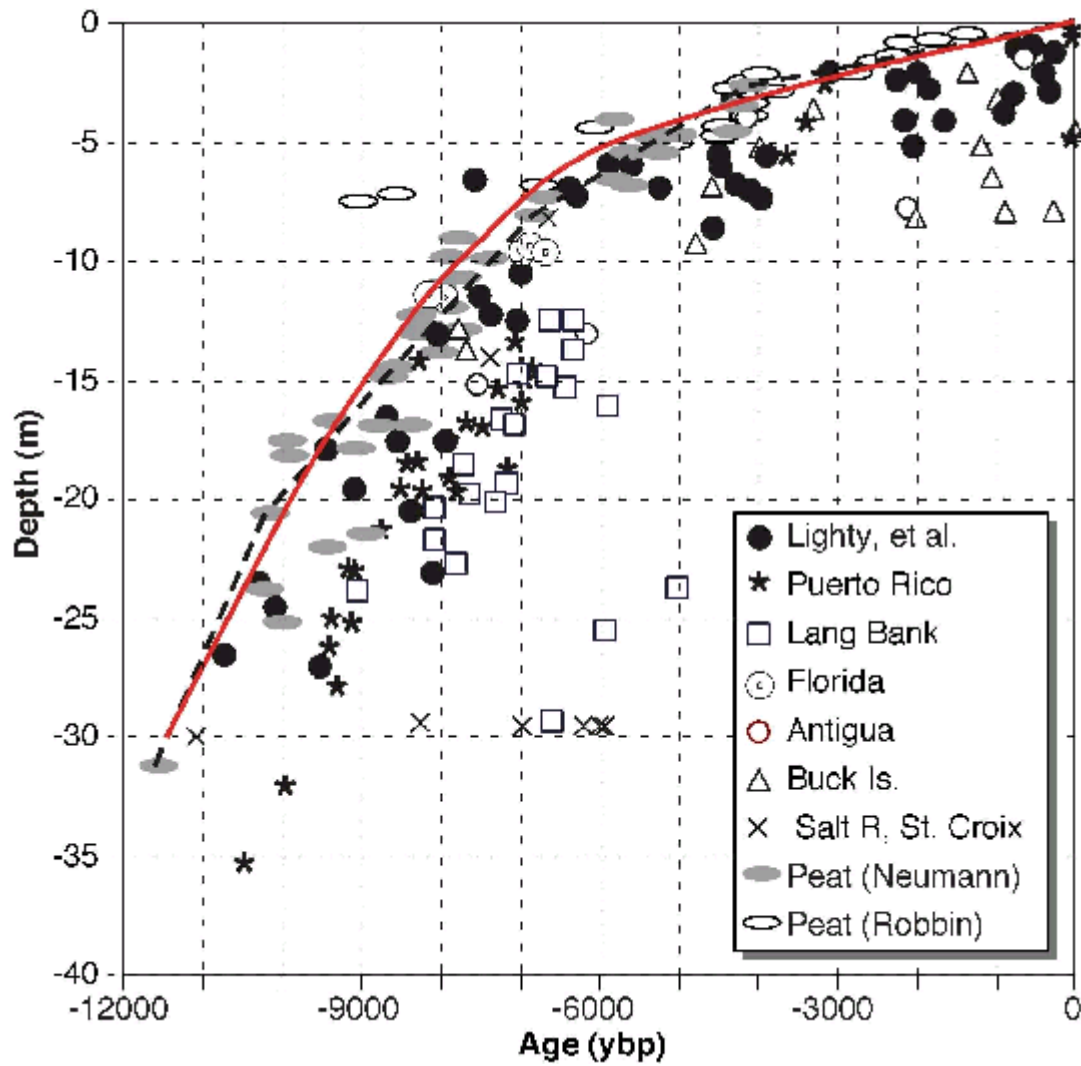
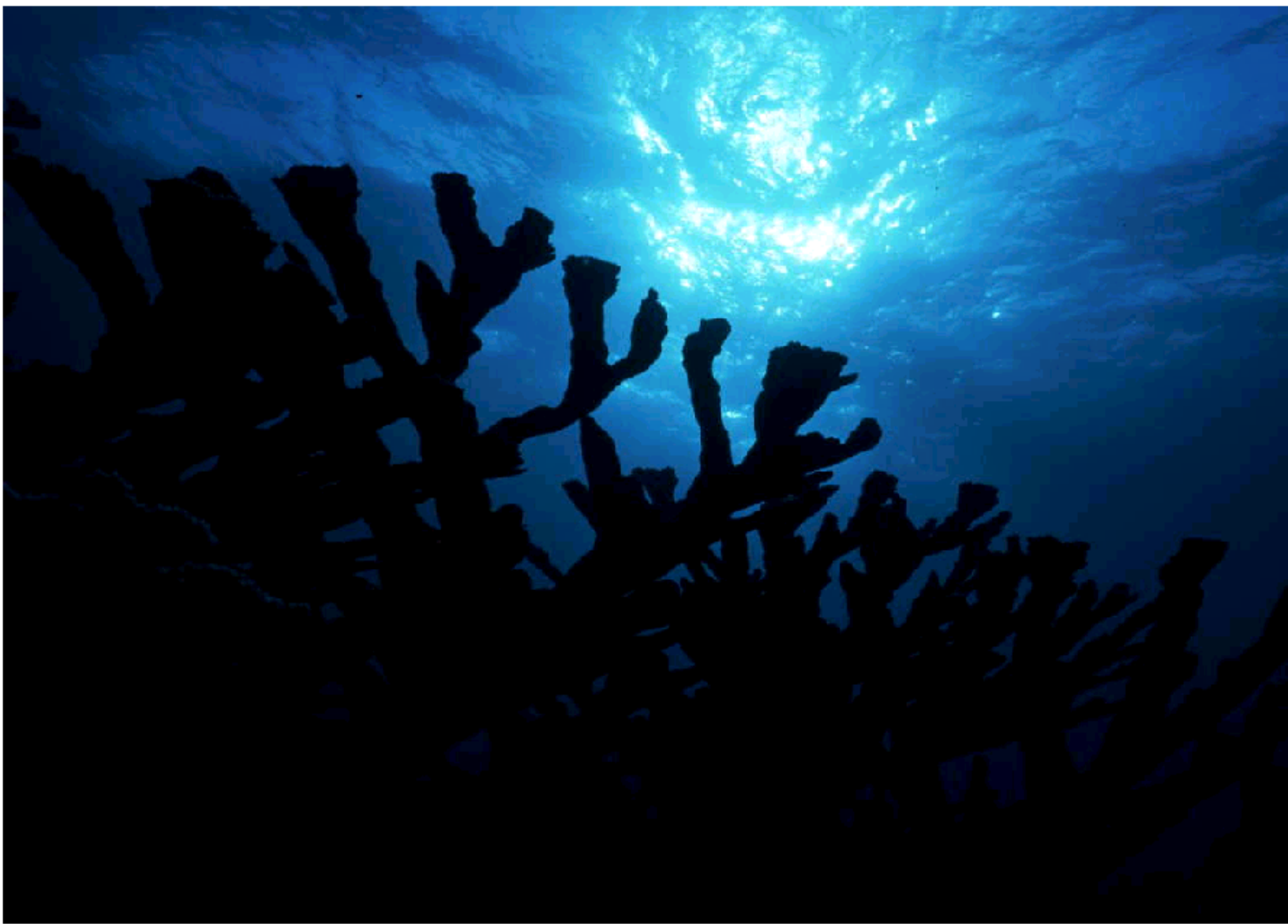


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Acropora palmata in the Netherlands Antilles. Photo by Mark Vermeij